



ML-60 IP User Manual Lighting Audio System with iPod-iPhone Docking



Please read the instruction carefully
before operating the unit.

UNPACKING YOUR UNIT

When you unpack your new iPhone/iPod clock-radio, make sure that you have removed all the accessories and information papers:

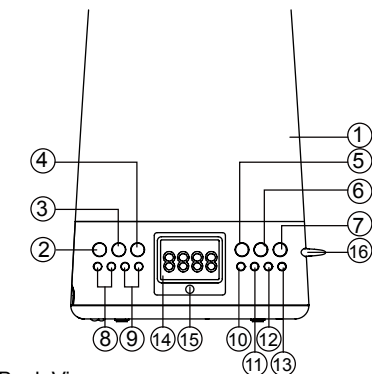
- Main unit
- AC adaptor
- Remote control
- 5 pieces iPhone/iPod interchangeable adaptors
- User manual

LOCATION OF CONTROLS

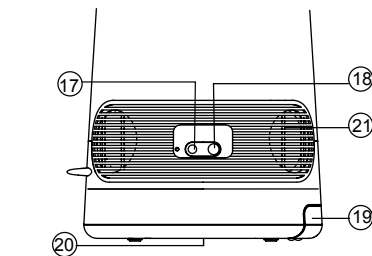
Main Unit

1. Light diffuser
2. ON/OFF button
3. (iPod-iPhone) PLAY/PAUSE button
4. FM button
5. Natural Sound switch
6. Brightness control button
7. Light control button
8. VOLUME +/- button
9. button
10. ALARM 1 button
11. ALARM 2 button
12. M/SET button
13. SLEEP button
14. LCD display
15. Remote sensor
16. SNOOZE/DIMMER button
17. AUX IN jack
18. DC IN jack
19. iPhone-iPod drawer
20. Battery compartment
21. Speakers

Front View



Back View



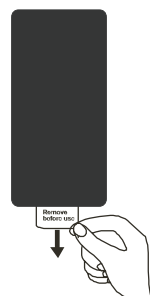
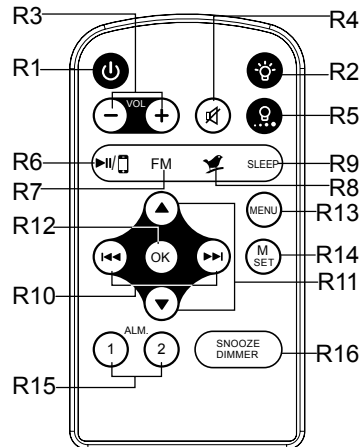
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Remote Control

- R1. button
R2. Light control button
R3. VOLUME +/- button
R4. button (mute)
R5. Brightness control button
R6. (iPod-iPhone) PLAY/PAUSE button
R7. FM button
R8. Natural Sound switch
R9. SLEEP button
R10. button
R11. button (navigate menu in iPhone/iPod mode)
R12.OK button (confirm a selection in iPhone/iPod mode)
R13.MENU button (return to previous menu in iPhone/iPod mode)
R14.M.SET button
R15.Alarm 1/2 button
R16.SNOOZE/DIMMER button

Remove the spacer tab before use

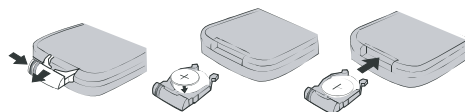
Remove the spacer tab when you use the remote control for the first time. To remove the tab, pull it in the direction of the arrow in the illustration as shown.



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Replacing battery for the remote control

1. Press the stopper and pull out the battery holder.
2. Install 1pc "CR2025" lithium battery according to the polarity diagram on the battery compartment.
3. Insert the battery holder into the remote control.



LCD DISPLAY

- D1. - iPhone/iPod mode playback
D2. - radio mode
D3. - AUX IN mode
D4. - natural sound mode
D5. - brightness level indicator
D6. - alarm 1 wake to radio/iPhone-iPod / buzzer / natural sound
D7. - alarm 2 wake to radio / iPhone-iPod / buzzer / natural sound
D8. - memory indicator
D9. - memory digit
D10. - displays in 12hr time mode
D11. Time or radio frequency display
D12. - sleep indicator
D13. (ST)AMMWMHzkHz - radio mode & frequency unit

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POWER SUPPLY

Using the AC adaptor

- This AC adaptor operates on AC100-240V~50/60Hz.
- The supplied AC adaptor is suitable for use on AC mains supplies of 100-240V~50/60Hz and should only be connected to a mains supply within these parameters.
 - Use the supplied AC adaptor only. Using any other AC adaptor could damage the unit.

Cautions:

- The included AC adaptor is for use with this unit only. Do not use it with other equipments.
- When the unit is not going to be used for long time, disconnect the AC adaptor from the AC outlet.
- Be sure to use it near the wall outlet. If a malfunction occurs, disconnect the plug from the wall outlet at once.
- When the AC adaptor is plugged in, the apparatus is not completely disconnected from the main power source, even when the unit is turned off.
- AC adaptor is used as the disconnect device. It shall remain readily operable and should not be obstructed during intended use. To disconnect the apparatus from supply mains, completely disconnect the AC adaptor of the apparatus from the mains socket outlet.

Battery backup system

DC power: 2x1.5V, battery type AAA/R03/UM4(not provided) for clock and alarm time backup system.
An alkaline type battery is recommended. For optimum performance, this battery should be replaced every 6 months.

BACKUP SYSTEM: All clock settings will be kept in memory; however, the clock time may require adjustment for exact accuracy. If the backup battery is not installed, the display will show the clock flashing to indicate that you have to reset the time and the alarm.

NOTE: When the battery backup is functioning, the display has no backlight.

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BASIC OPERATION

Turn on the unit

The unit is in standby mode with clock display when it's plugged in. Press ON/OFF to switch on/off the audio function (radio, iPhone/iPod, natural sound or auxiliary input).

Operating mode selection

- Press to select playing iPod/iPhone and control play/pause when this function is ON.
- Press FM to select radio mode.
- Press to select natural sound mode, then press repeatedly to cycle among 6 kinds of natural sound.
- Press to control brightness of white light (20 levels for choose) or set color light when it's in color light mode after turn on the light by .
- Press to switch between 3 states in loop: Light Off – White Light – Color Light...

Sound Volume

Press VOLUME +/- button to adjust sound level. There are a total of 30 volume levels.
Press button to cut off the sound temporarily, press this button again to resume the sound.

Display Dimmer

When the unit is NOT in alarm mode, press button repeatedly to set backlight brightness of display. 3 levels for choose: low, medium and high.

SLEEP (Automatic turn off)

In sleep mode, the unit will turn off automatically after a specified time. You can select duration in minutes before the unit turns off automatically. Press SLEEP button repeatedly to select 120-110-100...0 minutes. 5 seconds after, display will resume to current time.

Note: Sleep time can be only set when the unit is turned ON.

- During SLEEP operation, press SLEEP button to display the remaining sleep time.
- To turn off the unit before the SLEEP activates, press ON/OFF button, or press SLEEP button repeatedly until value is adjusted to "00". The sleep function is cancelled and "SLEEP" icon will not be displayed.
- If the playing time from your iPhone or other player is shorter than the selected sleep time, the music will stop at the end of the playing time.

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Sleep with digressive light

If white light or color light is ON during SLEEP function, the light will turn OFF with digressive brightness when the SLEEP time is reached.

TIME SETTING

When used for the first time, or if the mains plug has been removed with no backup battery inside, the clock display will blink for setting.

Setting sequence: Hour → Minute → 24h/12h.....

1. In standby mode, long press M/SET button to enter the current time setting mode. "HH" digits flash for hour setting.
2. Press to set the hour time.
3. Press M/SET button to validate the hour value, minute digits flash for adjust.
4. Press to set the minute time.
5. Press M/SET button to confirm time setting.
6. "24H" flashes for setting. Press to set, and press M/SET to complete the time setting.

NOTE:

- At first use of the set, the time setting sequence will start by 24h/12h selection.
- Any following sequence, if the time has been entered already, will start by Hour (HH) selection.
- With clock display blinking, if no button is pressed within 8 seconds, it will return to previous clock display.

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2. To stop the alarm for 24 hours, press ON/OFF button, alarm source indicators remain displayed. The alarm will trigger at the preset time one day later.
3. To turn off the alarm permanently, press ALM 1 or 2 button in standby mode until alarm source indicators disappears.
- NOTE:**
- You can adjust the wake up sound level by VOL+/- button in wake up by iPhone/iPod or radio modes.
 - But since this is a progressive alarm, the sound will be louder and louder. You could decrease the volume after the alarm reaches to its max volume level.

LIGHTING

Your clock radio is equipped with a saving energy LED main light and multicolor ambience light.

Main light

1. Press button once to turn on the main light. The current level of brightness will show on display for 5 seconds.
2. Press button repeatedly to adjust the level of brightness (from 01 to 20).

Color light

1. Press button twice to turn on the color light, then it will start to cycle in different colors.
2. Press button to stop at current color, press this button again to resume the cycle.
3. Press button again to turn off the light.

NATURAL SOUNDS

1. In standby mode, press button to trigger natural sound function. “ NAT 01” will show on display.
2. Press button repeatedly to select a kind of natural sound among six.
3. Press VOLUME +/- to adjust the volume level.

LISTENING TO THE RADIO

Manual operation

1. Press ON/OFF button to turn on the unit.
 2. Press FM button to select RADIO mode, “ ” shows on display.
 3. Press / to tune to a desired station step by step.
- Note:** Press FM button directly in standby mode also can enter RADIO mode.

Automatic search operation

The automatic searching operation locates strong stations. Press and hold / button to start automatic searching in the chosen direction. Press again to stop searching. A station with a weak signal can be tuned manually.

NOTE: During the search operation the sound level will be muted automatically.

Program preset stations

- This unit is able to store 20 FM radio stations in memory.
1. Select a radio station either by manual or automatic search.
 2. Press M/SET button once, “M” and preset number will flash on display.
 3. Press ALM. 1 or ALM. 2 button to change preset number.
 4. Press M/SET button again to save the radio station in the selected preset channel.
 5. Repeat steps 1-4 to store more stations.
- When you memorize a station on a preset, the previous station is erased and replaced by the new one.

Listening to the preset stations

Press ALM.1 or ALM.2 button directly to select a preset station.

NOTE: For a better reception in FM, extend the antenna. If a stereo broadcast is received, “FM(ST)” is displayed.

LISTEN TO YOUR iPhone/iPod

IMPORTANT

The docking station in this system follows the Apple “Universal Dock” design. This system can be fitted to different iPhone or iPod model.

Play your iPhone/iPod on the main unit

1. Connect your iPhone/iPod to the socket of the unit.
2. Press the ON/OFF button to turn on the unit.
3. Press to select iPhone/iPod mode. The display indicates “ / ”.
4. Press button to play or pause. Press and hold this button for 5 seconds to enter the iPod/iPhone sleep mode.
5. Select the previous or next track by pressing / button, press and hold / on the unit to play review or fast forward.
6. Press VOL + / - buttons to adjust sound level.

Other iPhone/iPod functions MENU, OK (Select), (UP) and (DOWN) are performed by the remote control.

MENU button: Press to return to previous page of menu.

▲ or ▼ button: press to select a menu item.

OK button: press to confirm a selection (open a folder or start playing a selected track).

iPhone call pick up

1. When phone call coming in, the music from the docking iPhone will pause automatically.
2. Incoming call ring comes out from the unit speaker.
3. You can take iPhone from the unit and pick up phone call.
4. After finish your call, connect back the iPhone to the socket, it will resume the playback of iPhone.

Charge your iPhone/iPod

While your iPhone/iPod is docked on the system, its battery recharges automatically until fully charged.

Clock Time Synchronization

The first time when your unit connected with iPhone, the clock time of your unit will be synchronous with the iPhone.

After the first time, you are required to press and hold M/SET button for 5 seconds to set your unit synchronous with iPhone.

iPhone/iPod interchangeable adapter

This system includes 5 different adapters designed to allow you to securely connect any “dockable” iPhone/iPod model to the docking station. Refer to the chart below to select the proper adapter for your particular iPhone/iPod model and insert that adapter into the docking station before connecting your iPhone/iPod.

NOTE: No adapter is provided for the 3G (third generation) iPod.

Please use the adapters which were included with your iPod at the time of purchase. They will fit properly into the docking station of this system.

iPod/iPhone Model	Play & Charge Compatibility	Included Bracket
iPod mini 4GB 6GB		
iPod 4th generation 20GB		
iPod 4th generation 40GB		
iPod 4th generation (color display) 20GB 30GB		
iPod 4th generation (color display) 40GB 60GB		
iPod nano 1st generation 1GB 2GB 4GB		
iPod 5th generation (video) 30GB		
iPod 5th generation (video) 60GB 80GB		
iPod nano 2nd generation (aluminum) 2GB 4GB 8GB		
iPod classic 80GB 120GB		
iPod classic 160GB		
iPod touch 1st generation 8GB 16GB 32GB		

iPod/iPhone Model	Play & Charge Compatibility	Included Bracket
iPhone 4GB 8GB 16GB		
iPhone 3G 8GB 16GB		
iPod nano 4th generation (video) 8GB 16GB		
iPod touch 2nd generation 8GB 16GB 32GB		
iPod nano 5th generation (video) 8GB 16GB		
iPhone 3GS 16GB 32GB		
iPhone 4 16GB 32GB		

Made for iPod and iPhone

Made for



iPod



iPhone

"Made for iPod," "Made for iPhone," and "Made for iPad" mean that an electronic accessory has been designed to connect specifically to iPod, iPhone, or iPad, respectively, and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. **Please note that the use of this accessory with iPod, iPhone or iPad may affect wireless performance.**

AUXILIARY

This unit includes the AUX IN jack to allow you to connect external devices, such as MP3 player, and listen to the music of your external device through the speakers of this unit.

1. Connect the external device to the AUX IN jack at the back of the unit.
2. Press ON/OFF button, AUX icon shows on the display, and function mode switch to AUXILIARY.
3. Start to play your auxiliary source.
4. Adjust the volume to desired level.
5. To stop playback, press ON/OFF button, or disconnect your external device from the AUX IN jack.

SPECIFICATIONS

GENERAL

Power source AC 100-240V ~ 50/60Hz
DC 3V, 2x1.5V “AAA/R03/UM4” size batteries (not included) or equivalent for memory backup

Dimension 120 W * 312 H * 178 L mm

TUNER

Frequency range: FM: 87.5 - 108 MHz

AUDIO SECTION

Power Consumption 15W
Speaker Impedance 8 ohm

MORE INFORMATION



ATTENTION : To reduce the risk of electric shock, do not remove the cover. There are no user serviceable parts inside the unit. Refer all servicing to qualified personnel.



The lightening flash with arrowhead symbol within the triangle is a warning sign alerting the user of “dangerous voltage” inside the unit.



The exclamation point within the triangle is a warning sign alerting the user of important instructions accompanying the product.

WARNING - To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.



For indoor use only

Class 1 LED product.

IMPORTANT

- Do not throw batteries in fire!
- Do not place the product in closed bookcases or racks without proper ventilation.
- If the external flexible cable or cord of this luminaire is damaged, it shall be exclusively replaced by the manufacturer or his service agent or a similar qualified person in order to avoid a hazard.
- Attention should be drawn to the environmental aspects of battery disposal.
- The marking information is located at the bottom of apparatus.
- Ensure a minimum distance of 5cm around the apparatus for sufficient ventilation.
- Ensure that the ventilation is not impeded by covering the ventilation openings with items, such as newspapers, table-clothes, curtains, etc.
- Do not place naked flame sources, such as lighted candles on the apparatus.
- Use the apparatus only in moderate climates.
- Do not be exposed to dripping or splashing. And that no object filled with liquids, such as vases, shall be placed on the apparatus.
- Do not use your set immediately after transport from a cold place to a warm place, there may be condensation problems.
- Make sure that you keep your set away from water and high temperatures.
- Clean the player with a soft cloth, or damp chamois leather. Never use solvent.
- To be completely disconnected the power input, the mains plug of the apparatus shall be disconnected from the mains completely.
- The mains plug should not be obstructed or should be easily accessed during intended use.
- Where the mains plug is used as the disconnect device, the disconnect device shall remain readily operable.
- Under the influence of electrical fast transient or/and electrostatic phenomenon, the product may malfunction and require user to power reset.

